

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

Mar. 2006
Vol. 43, No. 6

Meeting Calendar

Mar. 15	Bill Jensen at Golden Lamb Inn Joint with Dayton Section
Apr. 19	Howard and Sally Peters Oesper H.S. Awards at Northern Kentucky U.
May	Party Night TBA

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March Monthly Meeting Joint with the Dayton Section

An Illustrated Tour of the Oesper Collections in the History of Chemistry

Professor William B. Jensen
Department of Chemistry
University of Cincinnati



Abstract

This heavily illustrated talk will provide an overview of the newly housed Oesper Collections in the History of Chemistry at the University of Cincinnati, including the rare book and journal collection, the photo and print collection, and the apparatus museum. Also included are a restored circa-1900 chemical laboratory and lecture hall.

About the Speaker

Dr. William B. Jensen received his BS, MS and Ph.D degrees in inorganic chemistry from the University of Wisconsin-Madison. After teaching inorganic chemistry at the Rochester Institute of Technology, he joined the faculty of the University of Cincinnati in 1986 as Oesper Professor of Chemical Education and History of Chemistry. His research interests include Lewis acid-base chemistry, chemical periodicity, and the history of inorganic and physical chemistry. He has published more than 150 papers, reviews, and essays in the fields of inorganic chemistry, chemical education and history of chemistry, and is the author of the monographs, *The Lewis Acid-Base Concepts: An Overview* (Wiley 1980), and *Mendeleev on the Periodic Law: Selected Writings 1869-1905* (Dover 2005), with a third book, *Philosophers of Fire: An Illustrated History of 600 Years of Chemistry for Students of Chemistry*,

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THE CINTACS NEWSLETTER**Vol. 43, No. 6 March, 2006**

Editor.....Bruce S. Ault
 Advertising.....Ed Hunter

CINTACS is published eight times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately March 21 for the May, 2006 issue. Electronic submission is strongly preferred. All materials should be sent to:

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From the Chair

First, I have to set the record straight for our December meeting. Elsa Reichmanis had to cancel out the day before the meeting due to a business emergency. For me as the chair, Chia-Chi Ho from the University of Cincinnati, College of Engineering, was a life-saver, accepting the invitation to be the speaker. Her presentation "Guiding Cell Behaviors with Engineered Biomaterials" was indeed impressive and exciting; it was cutting-edge research that we could follow easily because she made it understandable. Please see page 5 for her bio and the abstract of her presentation. This was a meeting jointly with Iota Sigma Pi (National Honor Society for Women Chemists, Radium Chapter), AIChE (American Institute of Chemical Engineering, Ohio Valley Section), and SWE (Society of Women Engineers, South Ohio Section). Chia-Chi Ho is well on her way to becoming a prominent scientist like Elsa Reichmanis; all who had come to hear Elsa Reichmanis were not disappointed at all; many of them came to Chia-Chi Ho and to me afterwards to say how much they enjoyed the presentation.

Second, our January meeting was a huge success, too. It had one of the biggest attendances for a January meeting, 103 in all with 27 students. The speaker Bill Dean, the topic Forensic Chemistry as it is utilized in the "real" world, and the place Netherland Plaza Hotel turned out to be a winning combination. The member survey indeed has proven to be effective in helping arrange meetings that appeal to the membership.

This month's meeting is again on one of the topics members were most interested in, History of Chemistry, and the speaker is our section historian Bill Jensen who recently was recognized by the Division of the History of Chemistry of the ACS receiving the 2005 Edelstein Award in the History of Chemistry, an international award endowed in 1954. Furthermore, this is a meeting jointly with the Dayton section, so we have chosen the historic Golden Lamb in Lebanon as our meeting place. We are grateful to the Advanced Testing Laboratory for sponsorship. It is going to be another great meeting; however, the seating is limited to 88, 60 for the Cincinnati section and 28 for the Dayton section, proportional to our sizes. I am repeating my statement, **"Please do come to the meetings and every time ask a different person, colleague, co-worker, friend or student to come with you,"** but this time you do have to sign up quickly.

As I am writing this article, I am also working on the 2005 Annual Report to submit to the ACS; we indeed have a great section. Until that report becomes available late next summer, you can go to our section website to see why by checking the 2004 Annual Report.

Emel Yakali

March Monthly Meeting
ACS Cincinnati & Dayton Sections
March 15, 2006
Golden Lamb Restaurant, Lebanon, OH
Sponsored by Advanced Testing Laboratory

Featured Speaker
William Jensen, Ph.D.

Program

- 6:00 – 6:45** Registration and Social Hour (Cash Bar)
- 6:45 – 7:45** Dinner
(\$28 or \$14 for students, emeritus, unemployed, and first-time new members)
Roast (medium) Leg of Lamb with Mint Jelly or Baked Breast of Chicken with Ham and Swiss Cheese Stuffing, Baked Potato with Sour Cream, Chef's Selection of the Vegetable of the Day, Crisp Garden Salad with Chef's Dressing, Homemade Rolls, Apple Pie, and Coffee/Tea.
- 7:45 – 8:45** Speaker, William Jensen, Ph.D.
"An Illustrated Tour of the Oesper Collections in the History of Chemistry"

Reservations

Deadline Monday March 13, 2006 Noon

- The meeting reservation form is online at <http://www.che.uc.edu/acs/cinacs.html>. This is the best and easiest way to register.
- As a last resort, you may send your reservations by e mail to kim.carey@uc.edu.
- If it is impossible to make your reservation via the internet, call 513-556-0293; leave name, affiliation, phone number, and choice, and price category, if half-price.
- ***First come first serve basis, 60 seats reserved for the Cincinnati section***

Directions

- Take I-71 N toward Columbus
- Merge onto OH-48 via Exit 28 toward Lebanon/Lebanon Raceway
- Take the OH-123 ramp toward OH-48/US-42 S/Lebanon
- Turn left onto OH-123/ E. Main Street
- Turn right onto US-42/S. Broadway/OH-123/OH-48
- End at Golden Lamb Inn, 27 S. Broadway, Lebanon, OH 45036
Phone: 513-932-5065



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in the final stages of completion. He is the founder and former editor of the *Bulletin for the History of Chemistry*, author of the column "Ask the Historian," which appears bimonthly in the *Journal of Chemical Education*, and recipient of the 2005 International Edelstein Award for Outstanding Work in the History of Chemistry. In addition to his teaching and research activities, he also serves as the curator of the Oesper Collections in the History of Chemistry at the University of Cincinnati.



Cincinnati Section ACS Women Chemists Committee

The Cincinnati Section WCC is currently updating the list of women local ACS members who are interested in reorganizing this group and those who simply would like to be kept current on planned activities. I sent a survey to women ACS Cincinnati Section members for which I had email addresses. If you did not receive a survey, but have an interest in WCC activities, please contact Tina Engel, WCC Chair, (513-622-3723 engel.tm@pg.com) with the following information: (1) first and last name; (2) employer (if employed); (3) work phone number; (4) home phone number (optional); and (5) email address. Please also indicate if you would like to be active in re-energizing the Cincinnati Section WCC by perhaps joining a steering team. Adding yourself to this contact list does not commit you to becoming an active member of the committee, so please respond!

Visit the
Section's Home Page

<http://www.che.uc.edu/acs>

December 7 Meeting as It Happened

About the Speaker

Chia-Chi Ho received her B.S. degree from National Taiwan University (1996) and Ph.D. degree from the University of Delaware (2001) both in Chemical Engineering. After her graduate studies, Dr. Ho joined Harvard University working with George Whitesides and Donald Ingber as a visiting scientist to investigate the use of self-assembled monolayers to control the spatial organization of cells. In 2002, she joined the faculty of the Department of Chemical and Materials Engineering at the University of Cincinnati where her research focuses on the application of micro-technology to biomedical research



Guiding Cell Behaviors with Engineered Biomaterials

Abstract

Microfabrication techniques are widely used in the electronic industry to generate small features with size between 1-100 nm. This size range is on the same order of a single cell, thus, these microsystems are well suited for studying cell behavior. Cells in the environment are in contact with the culture solution and extracellular matrix. They sense the signals in the environment and activate signal transduction pathways to alter their behavior. This talk will demonstrate some examples of using micropatterned surfaces and microfluidic systems to control local environment around the cell. Micropatterned surfaces were used to control the cell size and shape. Endothelial cells patterned within the 20 μm grooves formed capillary tube-like structure containing a central lumen. Capillary networks embedded in other tissue specific cell types can be formed on the biomaterials for creating vascularized tissue. Line patterns on biomaterials can be applied to guide the direction of axon and neurite extension. We have also devised a completely novel microarray-based technique to amplify the

natural directional persistence of migrating cells (MANDIP). Using MANDIP, we can amplify this directional persistence to coerce the migration of cells indefinitely along arbitrary paths in one preset direction without chemoattractants, gradients in substrate adhesiveness, or external fields. Potential applications of MANDIP include cell-sorting, drug screening, tissue engineering, wound healing, and mechanistic studies of cell migration, cell-cell interactions, and other cellular processes requiring temporal and spatial regulation. A microfluidic system was used to create a sharp chemical gradient of hormone across the width of a single cell expressing glucocorticoid receptors linked to green fluorescent protein. Only receptors in regions of the cytoplasm exposed to hormones translocated into the nucleus. Microfilament disruption within local microdomains slowed down the translocation process suggesting that actin filaments may provide a structural basis for directional sensing of chemical gradients in cells. These results demonstrated that microsystems are powerful new tools for studying biological systems.

Bylaw Amendments Approved by Members

Members of the section unanimously approved the proposed amendments to the Bylaws during the January meeting at the Hilton Netherland Plaza Hotel. The new Bylaws have been sent to Washington for final review and will go into effect upon approval by the Council Committee on Constitution and Bylaws acting on behalf of the Council. This process typically takes a few months. The new changes to the Bylaws will allow the Section to conduct elections electronically, provide greater flexibility in running candidates for office, and more efficiently manage the Trustees' Fund.

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when you attend the Cincinnati Section ACS Short Course...

Methods Development, Validation Procedures and Regulatory Compliance Issues for the Pharmaceutical and Related Industries

Shib Mookherjea (Val Qual International, Inc), Instructor
Monday and Tuesday, May 8-9, 2006
Health Care Research Center – The Procter & Gamble Company
8700 Mason-Montgomery Road, Mason Ohio

The course introduces a unique, unconventional, generic, and grassroots approach to validation in general, and development and optimization of analytical methodology in particular. The course prepares the attendees for managing regulatory and other compliance issues.

Who Should Attend

Scientists, managers, and technicians involved in methods development and optimization, analytical research and development, meeting FDA requirements and regulations, validating analytical methods, application of newer analytical methods, and those involved in quality control, quality assurance, and quality assessment.

Key Topics you'll learn about

- Quality control and quality assurance.
- Validation parameters and definitions.
- Highlights of the guidelines derived from international standards-ISO 9000 and ISO 17025, GLP, GMP, etc.
- Conformity assessment–what it is, how it is applied.
- Analytical method optimization during development.
- Case studies in the improvement of validation characteristics.
- Data integrity and statistical evaluation of analytical data.
- Method development and optimization in HPLC and wet chemistry.
- ICH, AOAC, and USP guidelines for methods validation and other standards.
- Regulatory submission packages for IND, NDA, ANDA and other phases of development.

About the Instructor

Shib Mookherjea is a globally acclaimed speaker and consultant. During the past 25 years, he has held management positions in the R&D area with Johnson and Johnson, Colgate-Palmolive, BASF, and Troy Corporation. He is a recognized expert in the fields of validation, QA, and QC in both the pharmaceutical and process industries.

Program Agenda

Check-in will begin at 8:30 AM the first day. The course will be taught from 8:45 AM to 5:15 PM for two consecutive days. If you have technical questions about the course, contact Dr. Mookherjea at val-qual@aol.com or by telephone at (201) 615-6346.

(Continued on page 8)

The 2005 NCW Poster Contest Winners, "Joy of Toys"

Here are the winners of the local Cincinnati Section of the National American Chemical Society:

Winners Grade Level Represented School Teachers Location	Anton Kirby second Hays Elementary Ms. Brown and Ms. Hardin Cincinnati, OH	Bridget Nicholas fourth Taylor Mill Elementary Ms. Litton and Ms. Theissen Covington, KY	Jerrese Williams sixth Rockdale Academy Ms. Stanton Cincinnati OH	Elizabeth Brandy tenth Seven Hills High School Ms. Ford Cincinnati OH
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The local Cincinnati Section of the American Chemical Society has once again sponsored a chemistry contest as a part of National Chemistry Week. This year the contest was based on the role of chemistry in "Joy of Toys". The challenge was to create a poster that could serve as a public service announcement emphasizing the role of science/chemistry in toys (i.e., toy development, toy production, materials of which toys are made, toy safety through chemistry, toys from different times in history and different cultures, toys that use chemistry to make them work). The students entering the contest drew posters illustrating contributions made by chemists to the advancement of toys and the science behind toys. The local ACS section elementary contest committee has selected one winner from each grade category K-2nd, 3rd-4th, 5th-8th and 9th-12th.

Winners of the Cincinnati Section of the ACS along with their teachers and parents will be honored as guests of our local section's Teacher's Night Awards Banquet dinner meeting in April 2006, at Northern Kentucky University. The Cincinnati Section ACS has submitted the local winning poster in each of the four grade categories to the National ACS Office of Community Activities in Washington, D.C. All of these winning posters will be displayed during the 231st ACS national meeting in Atlanta GA, March 26-30, 2006. One national winner and one national honorable mention will be selected for each grade category during the meeting for national recognition and prizes.

Educators, thank you for encouraging your students to participate in this contest. No one ever stands so tall...as when they stoop...to help a child.

American Chemical Society
Cincinnati Section
NCW Poster Contest Committee

Editor's note: a special thanks to Richard Sunberg and his group for designing, conducting and judging the NCW poster session each year!

We specialize in recruiting and placing professionals for contract employment, direct placement, and contract-to-hire positions across the complete scientific and clinical research spectrum including: Clinical Research Associates, Clinical Data Managers, Clinical Data Coordinators, Research Scientists, Regulatory Specialists, Medical Writers, & more.

**For more information, contact
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- **Fundamentals: Quality, Quality Control, and Quality Assurance**
- General discussions on quality, QC, QA, and guidance from domestic and international standards
- Definitions and descriptions of validation parameters
- Principles of method validation, conformity assessment and laboratory QA

Method Validation: Guidelines Derived from GLP, AOAC, ISO 9000, and ICH

- Examples of development and optimization of methods *ab initio* and development of validation criteria
- Definition of ruggedness, reproducibility, system suitability, precision, accuracy, LOD, LOQ and other validation parameters for FDA compliance

Method Development and Optimization by Example and Case Studies

- How to systematically develop and optimize an assay for a trace component in a very complex sample matrix

Method Development and Optimization in HPLC as an Example of a Current Analytical Techniques

- Aspects of HPLC that need to be developed, and optimized, including procedures
- Peak purity, spectral match, peak tailing and other considerations in HPLC

Methods Optimization Considerations in Spectroscopic (UV-VIS, AA) and Classical Techniques

- Statistical Treatment of Data: Practical examples and case studies

**Statistical Treatment of Analytical Data—Mean, Mode, Standard Deviation, Control Charts, etc.
Statistical Process Control (SPC) Applications for Process Improvement and Process Optimization**

Cost

The course fee will be \$600 for ACS members and \$700 for non-members (compare to \$1145 at a National ACS meeting). The fee includes course materials, continental breakfast and refreshment breaks for both days. Seating will be limited. Please call Rick White at 513-622-1624 and leave a voice mail with your name, affiliation, and phone number to reserve your seat today. Payment can be made by sending check or money order, payable to “Cincinnati Section ACS”, to the address listed below, or wait until the April issue of CINTACS where credit card payment information will be available.

D. Rick White
The Procter & Gamble Co.
Health Care Research Center, Box 705
8700 Mason-Montgomery Rd.
Mason, OH 45040

The last date to register is **Friday, April 28.**

Chemical Information Update

Reform of the International Patent Classification System

Edlyn S. Simmons

Chair, Chemical Information Discussion Group

If you ever search for patents – or if you keep retrieving them by accident – you know that patent database records have an alphanumeric field that looks something like this:

IC ICM D06F-039/08

and patent documents have lines on the first page that may look something like this:

(51) Int Cl.7: **C11D 3/50**, C11D 3/37.

These are International Patent Classification (IPC) codes, and they designate the field of technology that the patent claims belong to. Back in the 1970s, a team of patent office employees was formed by the World Intellectual Property Organization (WIPO) to create a classification system that would cover all known areas of technology so that patents issued by any government in the world could identify the technological focus of a patent by using a single symbol. The new International Patent Classification codes could be applied to patents by countries like the United States and Japan, which had national classification systems for patents, and it would allow developing countries to classify patents without the need to develop a classification scheme of their own. It would be helpful for arranging paper documents for searching by hand and for indexing international patent databases used by patent examiners and members of the public.

A wonderful idea, but with a tragic flaw. Technologies keep being invented – that's what patents are all about – and it didn't take long for the experts to notice that the system needed new classification codes and subdivisions of old ones. Every 5 years, the team of experts issued a revised version of the IPC, and the patent offices started using the newer codes. This left databases with tiers of indexing. In the example above, Int Cl.7. indicates that the codes that follow belong to the seventh edition of the IPC; patents published before 1999 would have this code. Nobody updated database records for old patents with new codes,

and hardly anyone bothered to search with all seven editions of the code. There were other problems as well. Technology changes at an accelerating rate, and five years was too long to wait for updated classifications. Groundbreaking inventions were likely to have IPC codes that didn't fit, because the classification descriptions lagged so far behind innovation.

Everyone agreed that the IPC needed to be reformed so that it was easier to use, more descriptive of the information in patents (and not just the claims), and more up to date. And on January 1, 2006, the 8th edition of the IPC, also known as IPC-Reformed or IPC-R, went into use. The broader levels of the new classification system will be updated every three years. This is now called the Core level of classification, and printed manuals will be available. For countries that issue lots of patents, inventions will be classified under a more detailed level called the Advanced level. Advanced level IPC codes will be reviewed frequently for needed changes, and the changes will be published on the Internet every 6 months, but will not be printed on paper. The IPC-8 manual is online at <http://www.wipo.int/classifications/ipc/ipc8/?lang=en/>. To make searching more efficient, a database of classified patents will be maintained by the European Patent Office and new classification codes will be applied to any patents whose original IPC codes have been superseded. It is intended that all of the patent databases we use will be updated with the current IPC information. Continuous updating of patent classification data is nothing new – the United States has always done it and the EPO has a modified version of the IPC that it uses to update the files its examiners use. It goes without saying that nobody will reprint the patent documents with updated codes.

What does all this mean to chemists? If you've been ignoring IPC symbols on patents, it won't make any difference at all, but if you do a lot of patent searching, using the reformed IPC may help you get better search results. In the long run, IPC codes will be a much better search tool; if you need to search for patents you'll have easy access to the classification code and you'll be able to use it to search most databases over long time ranges. In the short run, there are some disruptions to database updating. Data formats have changed and the appearance of patent re-

(Continued on page 15)

The 2006 Hans and Marlies Zimmer International Scholar

The Department of Chemistry at the University of Cincinnati is very pleased to present the fourth series of lecture-visits by international scholars actively engaged in areas of frontier chemical research. The fourth scholar in this series is Professor Peter J. Sadler, Crum Brown Professor of Chemistry at the University of Edinburgh, Scotland. Professor Sadler received his B.A. in 1969 and M.A., D.Phil. in 1972



at the University of Oxford. He is the recipient of the Royal Society of Chemistry Award for Inorganic Biochemistry, the Dwyer Medal from the University of New South Wales Australia and is a Fellow of the Royal Society of Edinburgh.

His research interests focus on metals in

biology and medicine. His group has recently identified for the first time the major zinc binding site on human albumin, characterised the first multinuclear form of a transferrin protein, a new class of bacterial proteins involved in zinc resistance containing novel zinc-finger-in-a-zinc-cluster centres, a novel copper site in a bacterial copper chaperone, and has proposed a new mode of interaction of metallated anti-HIV macrocycles with the CXCR4 receptor. His work involves close collaboration with biologists, clinicians, and industry.

Professor Sadler will be in residence at the University of Cincinnati April 24 – April 28 and will deliver a series of talks which will be open to the public:

- “Genetic Codes for the Periodic Table: Proteins as Therapeutic Targets for Metals.”
- “Organometallic and Photoactivated Metal Anti-cancer Complexes.”
- “The Elements of Life and Medicines: a Web of Health.”
- Professor Sadler will also present a Short Course on “Inorganic Chemistry and Medicine”

For More Details see the UC Chemistry homepage at <http://www.che.uc.edu/kim/alumni/Zimmer/zimmerindex.htm>

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Profiles in Chemistry



"Burner"

Robert Wilhelm Bunsen (1811-1899). German chemist. Professor of chemistry at the universities of Kassel (1836), Marburg (1841) and Heidelberg (1852-1889), Bunsen is perhaps best known for his work on spectrum analysis (1860), done in collaboration with the German physicist, Gustav Kirchhoff, and their subsequent discovery of the elements cesium (1860) and rubidium (1861). He also did notable work on the chemistry of organoarsenic compounds (1837-1842), the laws of photochemistry (1855-1867), and the refinement of gas analysis (1857). Known to students of general chemistry for his introduction of the tubular laboratory gas burner in 1855, Bunsen was a prolific inventor of chemical apparatus, including the Bunsen carbon battery (1841), the grease-spot photometer (1843), the hydrogen chloride actinometer (1857), and an improved ice calorimeter (1870).

Courtesy of Professor William Jensen, Oesper Chair of the History of Chemistry and Chemical Education, University of Cincinnati and MeasureNet Technology Ltd. For more information, e-mail noteablechemists@measurenet-tech.com

Celebrating the 2006 ACS National Award Recipients

On Tuesday, March 28th, fifty-six scientists will be honored with ACS Awards at the 231st National Meeting in Atlanta, Ga. It is part of the Society's mission to recognize the achievements of chemical scientists for their contributions to the varied fields of the chemical sciences and for representing the best in our field.

One of the highlights of the evening will be the presentation of the Priestley Medal – the Society's most prestigious award given to recognize distinguished services to chemistry – to Dr. Paul S. Anderson. Dr. Anderson is being recognized for his outstanding contributions to chemistry in service to society, his achievements in drug discovery, includ-

ing anti-AIDS therapy as well as Zocor, Trusopt, and Aggrestat.

The fifty-six scientists who will be honored during the 2006 ceremony each serve as a reminder of the positive impact a single individual can make and of the great influence chemistry has on the world around us. Tickets to the Awards Ceremony can be purchased when you register for the 231st National Meeting. For more information about the ACS awards, please visit <http://chemistry.org/awards>.

The American Chemical Society Central Regional Meeting

CERMACS 2007 is coming to Cincinnati May 20-23, 2007! Contribute and Participate!

See: www.cermacs2007.org for more details.

Call for Nominations for Outstanding Service Award

Nominations will be accepted for the Cincinnati Section Outstanding Service Award until Thursday, April 20, 2006. The nominee should have performed an extraordinary service to the Cincinnati Section. The nominator should be a member of the Section. A complete nomination consists of a letter written by the nominator detailing the reasons the nominee is deserving of the award, and at least one supporting letter by another member of the Section. Nomination materials should be sent to: James W. Hershberger, Cincinnati ACS Awards Committee Chair, Department of Chemistry and Biochemistry, Miami University, Oxford, OH 45056. Alternatively, materials can be sent by email (hershbjw@muohio.edu) or fax (513-529-1675).

Event Planned for Senior Chemists in Atlanta

If you are a retired chemist and plan to be in Atlanta, GA for the March 26-31, 2006 ACS National Meeting, be sure to attend the Silver Circle & Retiree Breakfast on Tuesday, March 28, at the Marriott Marquis Hotel, Salon 1. The event is 7:30-9:00 a.m. and tickets can be purchased at registration. Program details will be announced in the Meeting Program. Ticket price is \$10.



Important Dates: ACS Spring National Meeting

Housing reservations and early registration are now open for the Spring ACS National Meeting to be held in Atlanta, Georgia, March 26 – 30, 2006. Take advantage of the lower rate for early meeting registrants.

The technical program went online January 30, the same day the *C&EN* Preliminary Program was published. Check the workshops, events, and special programs you want to attend and order tickets when you register for the meeting.

Visit www.chemistry.org and click on national meetings in the left column. On the national meetings page, click on Atlanta Georgia meeting in the left column. All the information you will need to make the most of your national meeting experience is listed on this page. Don't miss out!

CHEMISTS CELEBRATE EARTH DAY 2006!

I want to invite all interested chemistry practitioners (chemists, teachers, students) to join the Cincinnati ACS. We are gearing for **Earth Day** on April 22nd 2006. We would like to provide demonstrations and hands-on activities that reflect the positive role chemistry plays in addressing environmental issues. The first official recognition of Earth Day was on April 22, 1970, as a way to demonstrate support for a healthy environment and raise awareness about environmental issues. The ACS has taken part in Earth Day since 2003 under the banner Chemists Celebrate Earth Day.

Please consider helping us celebrate Earth Day in classrooms, libraries, museums and parks in the Tristate area. Contact Victor M. Arredondo, NCW & Earth Day Chair, at arredondo.vm@pg.com or (513) 627-1948; I would gladly answer any questions you may have and welcome you to the team.

Last 10 Element Pins Available in March

Please stop by the ACS Membership Store in the Main Exhibit Hall while attending the 2006 National Meeting in Atlanta, Georgia. All 111 Periodic Table element pins will be available for purchase. And while you are visiting the booth purchasing your national meeting pin, shirts, pens, pencils, mugs, tattoos, kites, and mole toys, make sure you stock up on whatever element pins you are missing from your collection.

Section Meeting Sponsors, 2005-6 Program Year

Four local industries and two universities have generously agreed to sponsor one each of our Section meetings in this year. This leaves only one meeting (Party Night, May) without a sponsor, but we expect a volunteer to come forward shortly.

Recall that Sponsorship entails a contribution of at least \$1000 cash or an "in kind" contribution of the same amount of goods and services required to deliver the many aspects of a monthly meeting.. Meeting expenses include Social Hour, meeting room, audio/visual equipment, student and guest meals, and miscellaneous speaker expenses. The sponsors' contributions turn loose funds that we can use to provide better speakers, which leads to better attendance and more value to meeting attendees.

The Section and its members appreciate the generosity of these organizations and thank each one for their support.

September 18	No Sponsor Solicited
October 14	UC Chemistry department
November	No Meeting
December 7	Xavier University
January 18	Givaudan Flavors
February 15	The Procter and Gamble Company
March 15	Advanced Testing Laboratory
April 19	Girindus America Inc.
May	Seeking Sponsor

Who will come forward to sponsor the May Meeting and give us full sponsorship for the 2005-6 program year?

Ted J. Logan, Chair
Sponsorship & Solicitation Committee
Cincinnati Section, ACS.

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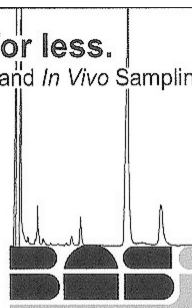
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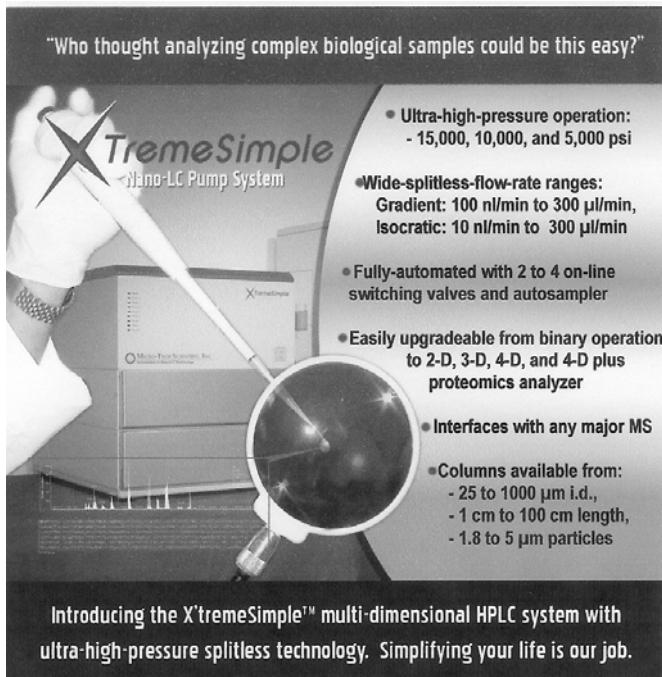
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(Continued from page 9)

cords may be different. More and more patents will have IPC codes in databases that don't match the ones on the patent document. There will still be a lag between innovation and patent classification, but it will be much shorter.

Footnote: This year, the Chemical Information Discussion Group is offering hints and updates on chemical information resources available to most chemists and techniques for using them. Feedback, contributions, and requests for information you'd like to see in future columns are welcome. If you have any comments, suggestions, or contributions, please email them to simmons.es@pg.com



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